

10. (currently amended): The antibody of claim 1, wherein the antibody is directed against a peptide having an amino acid sequence of SEQ ID NO:4.

Claim 11. (original) An antibody of claim 1, wherein the antibody is a monoclonal antibody.

Claim 12 (cancelled).

Claims 13-18 (withdrawn).

B2 (Please add the following new claims:)

19. (New) The antibody of claim 1, wherein the antibody is an antibody fragment.

20. (New) The antibody of claim 10, wherein the antibody is a monoclonal antibody.

21. (New) The antibody of claim 10, wherein the antibody is an antibody fragment.

22. (New) The antibody of claim 1, wherein the antibody is coupled to a therapeutic agent.

23. (New) The antibody of claim 1, wherein the antibody is labeled with a radioisotope or paramagnetic isotope.

24. (New) The antibody of claim 1, wherein the nuclear matrix protein is not elevated in subjects afflicted with cystitis.